**Model No.:** CGS-1600

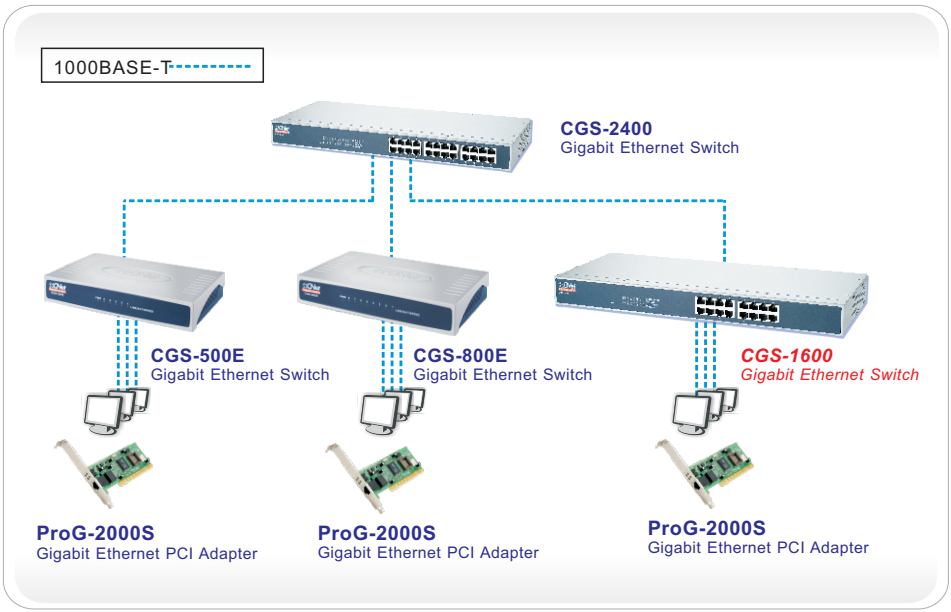
- *Independent Bandwidth for each Gigabit Port*
- *Avoids Head-of-Line Blocking*
- *Supports IEEE 802.3x and Back Pressure Flow-control*

## *16-Port Gigabit Ethernet Switch*

**Enhanced High Speed Performance for Network**

CGS-1600, CNet's new Gigabit backbone switch is especially designed to meet heavy load demands in minimum time requirement. The maximum transfer speed for each independent port reaches remarkable 2000Mbps.

CGS-1600 provides great compatibility and flexibility for existing Ethernet network with built-in Auto-negotiation and Auto-MDI/MDI-X. It also provides many advanced features to boost network, enhance security, and deploy intense applications.



**Model No.: CGS-1600**

## 16-Port Gigabit Ethernet Switch

### Features

- Independent Bandwidths with 10Mbps ~ 2000Mbps Capability
- Supports Address learning Function
- Non-blocking Performance Improves Access to Network Resources
- All Ports Support Auto-negotiation Capability to Intelligently Detect and Determine between 10/100/1000Mbps and Full-/Half-duplex
- All Ports Support Auto-MDI/MDI-X to Facilitate Installation and Troubleshooting
- Supports IEEE 802.3x Flow-control for Full-duplex and Back Pressure Flow-control for Half-duplex to Prevents the Overflow of Data Frame
- Prevents Packets from Head-of-Line Blocking
- Full Wire Speed Store-and Forward Technology Instantly Eliminates Bad Packets
- Easy-to-Understand LEDs Display Real-time Traffic Status to Monitor and Diagnose the Network

### Specifications

| Model | CGS-1600 |
|---|---|
| Standards | · IEEE 802.3: 10BASE-T<br>· IEEE 802.3u: 100BASE-TX<br>· IEEE 802.3ab: 1000BASE-T<br>· IEEE 802.3x: Flow-control |
| Ports | · 16 10/100/1000Mbps TP Copper Ports |
| Media Support | · 10BASE-T: Category 3, 4 or 5 TP<br>· 100BASE-TX/1000BASE-T: Category 5 TP or better |
| Bandwidth | · 1000BASE-T 10/20/100/200/1000/2000 Mbps |
| Forwarding/ Filtering Rate | · 14881 packets/second per port @10Mbps maximum<br>· 148810 packets/second per port @100Mbps maximum<br>· 1488100 packets/second per port @1000Mbps maximum |
| Duplex Modes | · All ports support Auto-MDI/MDI-X and Auto-negotiation functions |
| LED Indicators | · One (1) for Power<br>· One (1) per port for Link/ACT: Green for 1000Mbps; Orange for 100Mbps<br>· One (1) per port for Link/ACT: Green for 10Mbps |
| Power Supply | · Internal Full Range Auto-switching<br>· Input Voltage: 100~240 +-10% VAC/ 50~60Hz |
| Environment | · Operating Temperature: 0°~45°C (32°~158°F)<br>· Storage Temperature: -20°~70°C (-4°~176°F)<br>· Humidity: 10%~90% Non-condensing |
| Certifications | · CE, FCC |
| Dimensions ( L x W x H ) | · 442 x 185 x 44mm (17.40 x 7.28 x 1.73 inches) |

### Ordering Information

| Model | Description |
|---|---|
| CGS-1600 | 16-Port Gigabit Ethernet Switch |